

ABSTRACT

This invention is a new design in the structure of a Dustless Eraser for Blackboards. The main component includes a rectangular hollow eraser case with, screw holes, roller shaft holes, and spring holders on the two sides. An interior brusher, with the same dimensions as the eraser case, is mounted in the base of the eraser case and comes into contact with the eraser fabric. Two rollers are secured to the eraser case via the roller shafts, which are secured to the roller shaft holes. A hat shaped bracket is screwed to the eraser case via the two sides bolts hole and two rollers are arranged on the front and back of the bracket. The eraser belt fabric is sleeved onto the outside of the two rollers and the bracket. The eraser belt fabric is supported by the top surface of the bracket. Two springs are hooked to the roller shaft in the oblong shaft holes and then hooked to the end of eraser case via the spring holders. A pad made of soft material is mounted around the edge of the eraser case. The base brusher contacts the eraser belt to transport chalk powder from the eraser belt into the case during eraser use. Connecting a vacuum cleaner's hose or just dumping the chalk powder into a connecting container or plastic bag can remove the chalk powder in the case.